

Michael Page

Data Scientist, Sports Scientist & Academic
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Personal Statement

A published data and sport scientist that is highly motivated, analytical, and revels on intellectual challenges. Has experience working with elite and Commonwealth athletes in the collection and analysis of a broad range of psychological, physiological, and biomechanical markers. Has significant experience working in a sports science laboratory as both a technician, research assistant and lecturer and is knowledgeable about a diverse array of technical laboratory equipment and software. Excellent communicator who works diligently in interdisciplinary teams to deliver timely results.

Employment

York St John University

Lecturer and Module Director: Sport and Exercise Biomechanics 2017-2018

- Curated and delivered module including lectures, labs, and assessments
- Increased mean student grade from previous years
- Collaborated with laboratory technician to organise materials for labs

Laboratory Technician: Biomechanics laboratory 2016

- Prepared equipment for teaching and research activities
- Liaised with industry partners to resolve technical issues
- Contributed to teaching and research environment

Research Assistant: Biomechanics 2014

- Analysed 3D modelling data using a Qualisys motion capture system and Visual3D
- Performed in depth literature reviews
- Managed and analysed large, complex data sets

Education

York St John University

MSc by Research in Psychoendocrinology 2016-2017

- Awarded £2500 Nestlé research grant
- Won poster presentation prize in recognition of excellence in the presentation of doctoral research at the 2016 BSPID conference
- Significant experience working in biomedical labs independently analysing cortisol assays

Sport Science Performance Conditioning BSc 2010-2014

- 1st Class Honours
- Dissertation prize, highest course grade prize
- Student representative and peer tutor.

Additional Data Science Training

Springboard: *Introduction to Data Science*

2018

- A 100-hour online data science workshop
- R, Data Wrangling, Analytics, and Data Storytelling
- Capstone project reviewed by an independent industry expert

DataCamp

2018

- Completed thirteen courses
- Python, R, Programming, Importing and Cleaning Data, Probability and Statistics

Publications

Page, M.J., Hill, A.P., Kavanagh, O., & Jones, S. (2018). [Multidimensional perfectionism and cortisol response in non-clinical populations: A systematic review and evaluation](#). *Journal of Personality and Individual Differences*, 124, 16-24.

Page, M.J., Hill, A.P., Kavanagh, O., & Jones, S. (2018). Cortisol Awakening Response as an Indicator of Pre-Competition Stress in Elite and Non-Elite Athletes. *Publication date TBC*.

Research Projects

[Perfectionism in the Public Domain: A Natural Language Processing Approach](#): built an API client in R using the *httr* package that gathered news articles from [newsriver.io](#). Using a tidy data approach, I then performed sentiment analysis and topic models using latent Dirichlet allocation.

[Multilevel Modelling in SPSS](#): wrote a script in SPSS syntax that executed multilevel (hierarchical linear) models on nested physiological and psychological data.

[GGDOT Hacknight](#): I ran Box-Cox transformations and regression in R to analyse the CO₂ emissions of food. I created new features in the data set and found a novel and unexpected relationship in the data. The finding is now being further validated by the GGDOT group before being shared with the Public health community.

Sports Experience

Performance Coach: Forest of Galtres Cricket Development Group

2013

Performance Coach: NE & Y Cerebral Palsy Football

2012

Relevant Skills and Technologies

Data Skills: R, Python, MySQL, PostgreSQL, SPSS Statistics, Excel, Bash, G-Power, Git

Statistics: clustering, regression, descriptive, ANOVA, *t*-test, multilevel modelling

Biomechanical: Kistler Force Plate, Qualisys, Visual3D, Xsens, 2D videography

Physiological: Douglas bags, gas analysis, heart rate variability, cortisol assays, Wattbike

Additional Languages

Italian: *conversational* | Spanish: *A1*

Other

Charity: cycled over 6800 Km unsupported across Europe to raise over £7000 for various charities.

Interests: Mountain biking, rock climbing, travelling, playing guitar.